GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA

UNSTARRED QUESTION NO:923
ANSWERED ON:24.02.2003
IMPACT OF CLIMATE CHANGE ON CROPS
KINJARAPU YERRANNAIDU;SUKENDER REDDY GUTHA

Will the Minister of AGRICULTURE be pleased to state:

(a) whether the Government propose to study the impact of climate change on agriculture in view of long bout of freak weather in the country; and

(b) if so, the details thereof and the steps taken to ensure optimum yield even on change of temperature pattern?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI HUKUMDEO NARAYAN YADAV)

(a) Work on the impact of climate change is already being pursued at some of the ICAR Institutes like Indian Agricultural Research Institute (IARI), New Delhi; Central Research Institute for Dryland Agriculture (CRIDA), Hyderabad and All India Coordinated Researc Project on Agrometeorology for the past few years. These studies attempted to identify the trends in climate parameters like rainfall, temperature across various locations of the country. The possible implications of these short-term trends on agriculture crop planning are also being studied by the centre of the Agromet Project and by various ICAR institutes and State Agricultural Universities.

(b) Crop Simulation Studies have estimated a 10 to 15 percent loss in crop production due to increase in temperature regime by 2Â°C. Such crop losses can be minimized through better water and fertilizer management practices and appropriate crop varieties.